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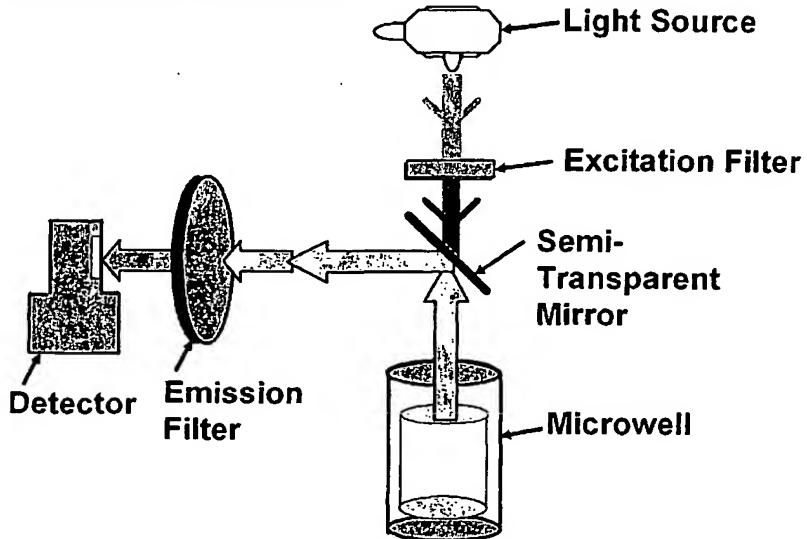
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[Continued on next page]

(54) Title: AUTOMATED METHOD FOR HIGH THROUGHPUT SCREENING OF NEMATODES

Fluoroskan Ascent



(57) Abstract: This invention provides a high throughput survival assay, using uptake of a marker dye (e.g. a fluorescent dye) as a marker of death of a nematode. The assay permits high throughput screening of thousands of compounds possible. By the application of automated worm handling technology we are able to accurately dispense nematodes into 384 well microtitre plates, at rates many thousand of times faster than previously possible. In addition, we have automated the analysis of survival by the use of a fluorometric plate reader that quantitates the degree of fluorescence within each well.

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US03/32066

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/00; A61K 49/00
US CL : 435/4

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/4; 424/9.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
STN, WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, e	US 6,787,125 B1 (VERWAERDE et al) 07 September 2004, column 2, lines 17-65.	1-65

Further documents are listed in the continuation of Box C.

See patent family annex.

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